

**Ranking Criteria Applied to  
Technically Feasible Routes for Connecting the Stevens Creek Trail  
Grading and Color Code Key**

Ranking Criteria	Criteria Grading				
	A	B	C	D	E
<b>General Elements</b>					
<b>Type of Facility</b>	Class I with shoulders	Class I	Class II Buffered Bike Lanes	Class II Bike Lanes	Class III Bike Route/ Greenway
<b># Major Intersections</b>	None	1	2	--	--
<b># Minor Intersections</b> – only residential collector/ residential collector or residential collector/ arterial street intersections – does not include neighborhood streets	None	1	2	3	≥4
<b>Improves Route to School</b> – based upon route within 1 mile of elementary school boundaries and/or 2 miles of middle school or high school	Access to 3 or more schools	Access to 2 schools	Access to 1 schools	Access to no schools	---
<b>Pedestrian/Bike Accident Data</b> Still in development – includes all pedestrian and bicycle injury accidents along the routes over the past five years. See attached list of accidents.					
<b>Enhances Streetscape or Opportunity for Habitat Enhancement</b>	Includes new street trees and new bulb-outs w/ landscaping or opportunity for enhancing habitat	Includes new street trees and planter strip landscaping	Includes new street trees or planter strip	Replaces missing streets trees only	Uses existing streets with no new landscaping
<b>Aesthetic Appeal and Walking/Biking Comfort</b>	Within the creek corridor	Along a lightly-traveled, tree lined city street with sidewalks	Along a lightly-traveled street with sidewalks	Along a tree lined, busy collector street	Along a busy collector street

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<b>General Elements</b>					
<b>Posted Speed Limit (MPH)/ 85<sup>th</sup> Percentile Speed (actual speed)</b>	≤25 mph	≤30 mph	≤35 mph	≤40 mph	>45 mph
<b>Traffic Volume – ADT Average Daily Traffic</b>	<2,500	<5,000	<10,000	<15,000	>20,000
<b>Unique Traffic Conditions</b>	None	Restricted Turning Movements	School Zone	Truck Route	Interchange Crossing
<b>VTA/City Street Ratings</b> Information is provided, but is left unranked due to variation among cities and VTA ratings	City Designated Beginner	City Designated Intermediate	VTA Undesignated Street Moderate	VTA Undesignated Street Alert	VTA Undesignated Street Extreme Caution

# Summary of Technically Feasible Routes for Connecting the Stevens Creek Trail

TECHNICALLY FEASIBLE ALIGNMENTS & ROUTE TYPES	Segment Length (Approx. and start point))	Major Intersection Crossing Type	# Minor Intersections	Route to School(s)	Pedestrian/Bike Accident Data	Enhances Streetscape or Opportunity for Habitat Enhancement	Aesthetic Appeal	Posted Speed Limit (85 <sup>th</sup> Percentile)	Traffic Volume (ADT)	Unique Traffic Conditions	Current VTA/City Street Ratings
DALE/HEATHERSTONE PEDESTRIAN OVERCROSSING to FREMONT AVENUE											
Knickerbocker to Mary Avenue Bicycle Lanes	9,400 LF Dale/Heatherstone	Fremont Signalized	2 Knickerbocker/Bernardo and Knickerbocker/Mary <b>C</b>	1 Cherry Chase Elem. <b>C</b>		Replace missing street trees <b>D</b>	Along a tree lined, busy collector <b>D</b>	25 and 35 (30-40) <b>C</b>	1,661 and 14,662 <b>D</b>	None <b>A</b>	Bike Lanes to Bike Route to VTA -Alert and Extreme Caution Streets Sunnyvale - Intermediate Route
Knickerbocker to Mary Avenue Median-running Multi-use Trail <i>Requires loss of a travel lane and bike lanes in exchange for median running path</i>	9,400 LF Dale/Heatherstone	Fremont Signalized	2 Knickerbocker/Bernardo and Knickerbocker/Mary <b>C</b>	1 Cherry Chase Elem. <b>C</b>		Possibly buffer landscaping along median path <b>C</b>	Along a tree lined, busy collector <b>C</b>	25 and 35 <b>C</b>	1,661 and 14,662 many intersections on intersecting median path <b>B</b>	May restrict turning movements at some intersections <b>B</b>	Bike Lanes to VTA Alert and Extreme Caution Streets Sunnyvale – Intermediate Route
Heatherstone to Bernardo Avenue Greenway to Bike Lanes	8,000 LF Dale/Heatherstone	Fremont Signalized	2 Knickerbocker/Bernardo Remington/Bernardo <b>C</b>	2 Cherry Chase Elem. and Stratford School <b>B</b>		Replace missing street trees <b>D</b>	Along a tree lined, busy collector <b>D</b>	25 and 30 <b>B</b>	Low volume residential and 10,084 <b>C</b>	None <b>A</b>	Alert Street to Bike Lanes to Undesignated Street Sunnyvale – Intermediate Route
Creek Corridor Multi-use Trail through 22 acres of open space	7,170 LF Dale/Heatherstone	Fremont Signalized	None <b>A</b>	1 Cherry Chase Elem. <b>C</b>		Potential to include creek restoration <b>A</b>	Through open space lands <b>A</b>	Separated from auto traffic <b>A</b>	Separated from auto traffic <b>A</b>	None <b>A</b>	As Proposed Future Off-Street Bike Path
Franklin to Truman Greenway to Bike Lanes	8,950 LF Sleeper	Fremont Signalized	2 Bryant/Truman and Oak/Truman <b>C</b>	2 Mtn. View HS and Alta Vista HS <b>B</b>		Replace missing street trees <b>D</b>	Along a moderately busy collector <b>C</b>	25 and 30 <b>B</b>	4,500 <b>B</b>	Street busy during school drop-off and pick-up <b>C</b>	Undesignated Street and Bike Lanes

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FREMONT AVENUE to HOMESTEAD ROAD											
Mary Avenue Bicycle Lanes	8,450 LF Mary at Fremont	Homestead Signalized	2 Cascade/Mary and The Dalles/Mary <b>C</b>	2 West Valley Elem. and Cupertino Middle <b>B</b>		Replace missing street trees <b>D</b>	Along a tree lined, busy collector <b>D</b>	35 <b>C</b>	8,564 <b>C</b>	None <b>A</b>	Bike Routes and Bike Lanes Sunnyvale – Intermediate Route
Mary Avenue Median-running Multi-use Trail <i>Requires loss of a travel lane and bike lanes in exchange for median running path</i>	8,450 LF Mary at Fremont	Homestead Signalized	2 Cascade/Mary and The Dalles/Mary <b>C</b>	2 West Valley Elem. and Cupertino Middle <b>B</b>		Possibly buffer landscaping along median path <b>C</b>	Along a tree lined, busy collector <b>C</b>	35 <b>C</b>	8,564 many intersections on intersecting median path <b>B</b>	May restrict turning movements at some intersections <b>B</b>	Bike Lanes
Option 1A: Bernardo Avenue Multi-use Trail along Soundwall with Grade-separated crossings <i>Requires 1-Way Street</i>	6,325 LF Bernardo at Fremont	None Grade-Separated	None <b>A</b>	3 West Valley Elementary, Cupertino Middle and South Peninsula Hebrew Day School <b>A</b>		Requires new street trees and landscaping along the trail <b>B</b>	Along a landscaped path adjacent to the soundwall <b>A-</b>	Separated from auto traffic <b>A</b>	Separated from auto traffic <b>A</b>	Street busy during school drop-off and pick-up <b>C</b>	As Proposed Future Off-Street Bike Path with <a href="#">Grade-separated Crossings</a> at Fremont and Homestead
Option 1B: Bernardo Avenue Multi-use Trail along Soundwall <i>Requires 1-Way Street</i>	6,325 LF Bernardo at Fremont	Homestead Signalized	None <b>A</b>	3 West Valley Elementary, Cupertino Middle and South Peninsula Hebrew Day School <b>A</b>		Requires new street trees and landscaping along the trail <b>B</b>	Along a landscaped path adjacent to the soundwall <b>A-</b>	Separated from auto traffic <b>A</b>	Separated from auto traffic <b>A</b>	None <b>A</b>	As Proposed Future Off-Street Bike Path with <a href="#">At-grade Street Crossings</a> at Fremont and Homestead
Option 2: Bernardo Avenue Greenway	6,325 LF Bernardo at Fremont	Homestead Signalized	Cascade and The Dalles end at Bernardo – No signals <b>B</b>	3 West Valley Elementary, Cupertino Middle and South Peninsula Hebrew Day School <b>A</b>		Replace missing street trees <b>D</b>	Along a tree lined, lightly traveled collector street <b>B</b>	30 <b>B</b>	2,532 <b>A</b>	Street busy during school drop-off and pick-up <b>C</b>	VTA - Undesignated Street Sunnyvale – Intermediate Route

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TECHNICALLY FEASIBLE ALIGNMENTS & ROUTE TYPES	Length (Approx.)	# Major Intersections	# Minor Intersections	Route to School(s)	Pedestrian/Bike Accident Data	Enhances Streetscape or Opportunity for Habitat Enhancement	Aesthetic Appeal	Posted Speed Limit (MPH) (85 <sup>th</sup> Percentile)	Traffic Volume (ADT)	Unique Traffic Conditions	VTA/City Street Ratings
FREMONT AVENUE to HOMESTEAD ROAD (continued)											
<b>Belleville Bike Lanes</b> <i>Requires Reduced Parking</i>	5,430 LF Belleville at Fremont	Homestead Signalized	Most are internal streets <b>B</b>	2 West Valley Elem. and Cupertino Middle <b>B</b>		Replace missing street trees <b>D</b>	Along a tree-lined, lightly traveled collector street <b>B</b>	25 <b>A</b>	1,343 <b>A</b>	Street busy during school drop-off and pick-up <b>C</b>	VTA - Undesignated Street Sunnyvale – Beginner Route
<b>Belleville/Bedford/Fallen Leaf/Bridge Combination of Bike Lanes and a Greenway</b> <i>Requires Reduced Parking</i>	6,740 LF Belleville at Fremont	Homestead Signalized	Most are internal streets <b>B</b>	2 West Valley Elem. and Cupertino Middle <b>B</b>		Replace missing street trees <b>D</b>	Along a tree-lined, lightly traveled collector street <b>B</b>	25 <b>A</b>	1,343 <b>A</b>	Street busy during school drop-off and pick-up <b>C</b>	VTA - Undesignated Streets Sunnyvale – Beginner Route
<b>Option 1: Fallen Leaf Lane Multi-use Trail -</b> <i>Requires 60-Foot ROW</i>	7,100 LF Fallen Leaf at Fremont	Homestead Flashing Crosswalk	Most are cul de sacs <b>B</b>	2 West Valley Elem. and Cupertino Middle <b>B</b>	None <b>A</b>	Requires new street trees and landscaping along the trail <b>A</b>	Along a lightly traveled, residential street <b>B</b>	Separated from auto traffic <b>A</b>	Separated from auto traffic <b>A</b>	None <b>A</b>	Undesignated Street
<b>Option 2: Fallen Leaf Lane Greenway or Bike Route</b>	7,100 LF Fallen Leaf at Fremont	Homestead Flashing Crosswalk	Most are cul de sacs <b>B</b>	2 West Valley Elem. and Cupertino Middle <b>B</b>	None <b>A</b>	Could include walking space, street trees and narrowing of intersections <b>B</b>	Along a lightly traveled, residential street <b>B</b>	25 <b>A</b>	1,350 <b>A</b>	None <b>A</b>	Proposed Bike Route in 2002 General Plan and 2012 Bicycle Transportation Plan
<b>Fremont Avenue to Grant Road to Foothill Expressway</b> Existing Bike Lanes (Proposed Multi-use Path) to Delineated but not Designated Bike Lanes	11, 140 LF Hwy 85 Off-ramp to Grant at Foothill	2 Grant and Foothill Expway Signalized	3 Newcastle/ Fremont, Austin/Fremont and Truman/Fremont <b>D</b>	1 Montclair Elementary School <b>C</b>	11 bicycle injury accidents in Los Altos <b>E</b>	Could include street trees and narrowing of intersections at selected locations with new bike path <b>A</b>	Along a tree-lined, busy collector street <b>D</b>  <b>A new separated path A</b>	30 (38), 25 (37) and 45 <b>E</b>	Fremont - 16,300 Grant - 10,700 Fremont Expway - 20,402 <b>E</b>	Grant Road and Foothill Expway serve as Truck Routes, Fremont and Grant traffic heavy at commute hours, Grant busy at school hours, Traffic backs up at Belleville forcing residents living to the north of Fremont to turn west and U-turn to cross the street <b>D</b>	Existing Bike Lanes (Proposed Multi-use Path on Fremont in 2012 Bicycle Transportation Plan) to Bike Lanes to Alert Street to “Delineate but not Designate” Expressway



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HOMESTEAD ROAD to STEVENS CREEK BOULEVARD											
Mary Avenue Bicycle Lanes	6,130 LF Mary at Homestead plus 4,100 LF to SC Blvd. for 10, 230 LF	Stevens Creek Blvd. Signalized	2 Lubec/ Mary and Parkwood/ Mary <b>B</b>	2 Garden Gate Elem. and Homestead HS <b>B</b>	None <b>A</b>	Replace missing street trees <b>D</b>	Along a moderately busy collector street <b>C</b>	Separated from auto traffic and 35 (34) <b>C</b>	Separated from auto traffic Mary – 3,850 <b>B</b>	Yes, must cross Hwy 85 interchange at SC Blvd. and SC Blvd. serves as Truck Route <b>E</b>	Off-Street Bike Path to Bicycle Lanes
Barranca/Peninsular/Caroline/Maxine Bike Lanes <i>(requires loss of some parking)</i> or Greenway to Stokes/Dempster/ Peninsula Greenway with Hwy 280 Overcrossing to Stevens Creek Blvd.	7,325 LF Barranca at Homestead plus 2,350 LF to SC Blvd. for 9,675 LF	Stevens Creek Blvd. Signalized	None <b>A</b>	None <b>D</b>	1 bicycle injury accident in Cupertino <b>B</b>	Use existing street with no landscaping and Replace missing street trees <b>E</b>	Along residential streets with few sidewalks and Along a tree lined residential street with sidewalks <b>C</b>	25 35 (40) <b>A-</b>	Very low volume residential to SC Blvd– 20,640 <b>A-</b>	SC Blvd. and SC Blvd. serves as Truck Route <b>D</b>	Undesignated Streets
Barranca/Peninsular/Caroline/Maxine Bike Lanes <i>(requires loss of some parking)</i> or Greenway to Phar Lap/Madera/ Mann Greenway with Hwy 280 Overcrossing	6,580 LF Barranca at Homestead	None Trail Crossing (under construction)	None <b>A</b>	1 Stevens Creek Elem. <b>C</b>	4 bicycle injury accidents in Cupertino <b>C</b>	Use existing street with no landscaping and Replace missing street trees <b>E</b>	Along residential streets without sidewalks <b>C</b>	25 <b>A</b>	Very low volume residential <b>A</b>	None <b>A</b>	Undesignated Streets
Foothill Expressway to Foothill Blvd. Delineated but not Designated Bike Lanes and Undesignated Crossing at Hwy 280 and Interchange Improvements to Stevens Creek Blvd.	6,000 LF Foothill at Grant plus 2,460 LF to SC Blvd. for 8,460 LF	2 Foothill Expway & Stevens Creek Blvd. Signalized	4 Cristo Rey /Starling/ Foothill, Vista Knoll/ Foothill, Alpine/ Foothi ll and Salem/ Foothill <b>D</b>	2 Stevens Creek Elem. and Monarch Christian School <b>B</b>	2 bicycle injury accidents in Los Altos	Replace missing street trees <b>D</b>	Along a busy collector street <b>E</b>	Foothill Expway-45 Foothill Blvd-40 (44 south and 45 north) SC Blvd-35 (38) <b>E</b>	Foothill Expway–20,402 Foothill–16,001 SC Blvd–10,850 <b>E</b>	Yes, must cross Hwy 280 Interchange at Foothill Blvd. and SC Blvd. and Foothill Blvd. and SC Blvd. serve as Truck Routes <b>E</b>	“Delineate but not Designate” Expressway to Undesignated Crossing at Hwy 280 to Bike Lanes

## **5-Year Pedestrian/Bicyclist Accident Data from 2008 - August 2013 on Studied Stevens Creek Trail Routes**

### **City of Los Altos**

#### **Foothill Expressway Accidents**

Foothill/ Arboretum – 1 other bike accident  
Foothill/Homestead – 3 broadside bike accidents  
Foothill/Fremont – 1 broadside bike accident  
Foothill Highway 280 On-Ramp – 1 sideswipe bike accident  
Foothill/Cristo Rey – 1 sideswipe bike accident

#### **Fremont Avenue Accidents**

Fremont/Truman – 4 total = 1 broadside bike accident and 3 other bike accidents  
Fremont/Bright Oaks – 1 broadside bike accident  
Fremont/Grant – 1 broadside bike accident

#### **Grant Road Accidents**

Grant/El Sereno – 1 broadside bike accident  
Grant/Foothill – 1 sideswipe bike accident  
Grant/ Homestead – 2 total = 1 sideswipe bike accident and 1 other bike accident

### **City of Cupertino – Accident Summaries**

#### **Foothill Blvd from Stevens Creek Blvd to Homestead Road**

5 car/bike injury accidents with a total of 6 injured,  
2 car/pedestrian fatalities, and  
1 car/pedestrian injury accidents

#### **Homestead Road Accident Summary between Foothill and Mary**

5 car/bike injury accidents,  
2 car/bike accidents – no injury, and  
No pedestrian accidents

#### **Mary Avenue Accident Summary between Homestead and Steven Creek Blvd.**

1 car/bike accident – no injury and  
1 car/pedestrian injury accident

#### **Stevens Creek Boulevard Accident Summary between western city limits and Mary Avenue**

1 car/bike fatality,  
5 car/bike injury accidents,  
4 car/bike accidents – no injury,  
3 car/pedestrian injury accidents and  
1 car/pedestrian accident – no injury

## **City of Cupertino – Accident Locations**

### **Foothill Blvd from Stevens Creek Blvd to Homestead Road**

Foothill Blvd/Starling– 1 car/bike injury accident  
Foothill Blvd/Stevens Creek – 2 car/bike injury accident with 3 injuries  
Foothill Blvd/Stevens Creek – 1 truck/bike injury accident  
Foothill Blvd/Santa Paula – 1 car/bike injury accident  
Foothill Blvd/Salem – 1 car/pedestrian injury accident  
Foothill Blvd/Cupertino Road – 1 car/pedestrian fatality  
Foothill Blvd/Cupertino Road – 1 truck/pedestrian fatality

### **Homestead Road Accident Summary between Foothill and Mary**

Homestead/Homestead Court – 1 car/bike injury accident  
Homestead/Barranca – 1 car/bike accident – no injuries  
Homestead/Mary – 3 car/bike injury accident  
Homestead/Mary – 1 car/bike accident – no injuries  
Homestead – 1 car/bike accident – no injuries

### **Mary Avenue Accidents**

Mary/Stevens Creek Blvd – 1 car/pedestrian injury accident  
Mary/Lubec – 1 car/bike accident – no injury

### **Stevens Creek Boulevard Accidents**

Stevens Canyon/Stevens Creek Blvd – 1 car/bike accident – no injury  
Stevens Creek Blvd/Phar Lap – 1 car/bike injury accident  
Stevens Creek Blvd/Mann – 1 car/bike injury accident  
Stevens Creek Blvd/Mann – 1 car/bike accident – no injuries  
Stevens Creek Blvd/Orange – 1 truck/pedestrian injury accident  
Stevens Creek Blvd/Peninsula – 1 car/pedestrian accident – no injury  
Stevens Creek Blvd/SR-85 West Ramps – 1 car/bike injury accident  
Stevens Creek Blvd/Imperial – 1 car/bike injury accident  
Stevens Creek Blvd/Mary – 1 car/bike injury accident  
Stevens Creek Blvd/Mary – 1 car/bike accident – no injury  
Stevens Creek Blvd/Pasadena – 1 car/bike injury accident  
Stevens Creek Blvd/Pasadena – 1 car/pedestrian injury accident  
Stevens Creek Blvd – 1 car/bike fatality